

JP6078795A2: METHOD FOR DETERMINING VITAMIN C

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Abstract:	<p>PURPOSE: To make it possible to determine vitamin C having a low concentration in high sensitivity and simply determine both of reducing type L-ascorbic acid and oxidation type dehydroascorbic acid.</p> <p>CONSTITUTION: L-ascorbic acid or dehydroascorbic acid in a sample liquid is made to react with ascorbic acid oxidase and dithiothreitol to provide a cyclic reaction between L-ascorbic acid and dehydroascorbic acid. A reduced amount of dissolved oxygen in the sample liquid at this time is detected with an oxygen electrode and the concentrations of L-ascorbic acid and dehydroascorbic acid in the sample liquid are obtained from the resultant reduced amount of dissolved oxygen.</p> <p>COPYRIGHT: (C)1994,JPO&Japio</p>
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